

Amendments to the claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

In the claims:

1-28. (Canceled)

29. (Currently amended) A method of differentiating a hematopoietic stem cell into a mature natural killer cell, comprising

(i) incubating the hematopoietic stem cell in an incubator to produce premature NK cells;

(ii) treating the ~~hematopoietic stem~~ premature NK cells with an effective amount of ferritin H chain (BC012314) gene of SEQ ID NO:49 and IL-15 protein *in vitro*.

30-37. (Canceled)

38. (Currently amended) A method of differentiating a premature natural killer cell into a mature natural killer cell, comprising treating the premature natural killer cells, with an effective amount of ferritin H chain (BC012314) gene of SEQ ID NO:49 and IL-15 protein *in vitro*.

39. (Canceled)